

# EUROPEAN PATENT OFFICE

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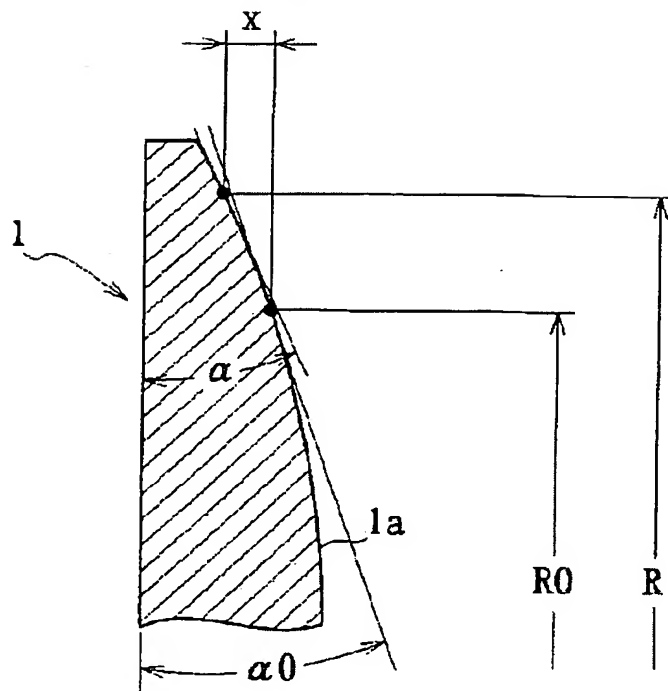
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F16H 55/49

TITLE : BELT-TYPE CVT PULLEY AND V-BELT  
FOR PULLEY



ABSTRACT : PROBLEM TO BE SOLVED: To reduce the core deviation amount of a V-belt.

SOLUTION: A profile curve in the section including the central axis of a pulley, of a sheave surface 1a of the belt-type CVT pulley 1 is a gentle projecting curved line having the sheave angle gradually changed. The side surface angle of the belt to be used for the pulley 1 is continuously changed from the inner peripheral side to the outer peripheral side between the angle equal to the maximum sheave angle to the angle equal to the minimum sheave angle. In the profile curve in the section including the central axis of the pulley of the sheave surface, the axial distance direction X from a point of a radius R<sub>0</sub> to a point of a radius R of the gear ratio of 1 is  $X = R \tan \alpha_0 + \{K / (R_0 - R_{\min})\} \times (R - R_0)^2$  ( $0 < K \leq 0.02$ ) in relation to the reference sheave angle  $\alpha_0$  and the minimum radius R<sub>min</sub>.

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